

**IN THE CLAIMS:**

Please amend claims 1, 8, 10, and 19 as follows.

30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130 135 140 145 150 155 160 165 170 175 180 185 190 195 200 205 210 215 220 225 230 235 240 245 250 255 260 265 270 275 280 285 290 295 300 305 310 315 320 325 330 335 340 345 350 355 360 365 370 375 380 385 390 395 400 405 410 415 420 425 430 435 440 445 450 455 460 465 470 475 480 485 490 495 500 505 510 515 520 525 530 535 540 545 550 555 560 565 570 575 580 585 590 595 600 605 610 615 620 625 630 635 640 645 650 655 660 665 670 675 680 685 690 695 700 705 710 715 720 725 730 735 740 745 750 755 760 765 770 775 780 785 790 795 800 805 810 815 820 825 830 835 840 845 850 855 860 865 870 875 880 885 890 895 900 905 910 915 920 925 930 935 940 945 950 955 960 965 970 975 980 985 990 995

1. (Currently Amended) A network name resolving element for performing name resolving in a network system which includes a first network using a first network protocol and a second network using a second network protocol, the network element comprising:

a name resolving unit configured to perform name resolving;

a first connection unit configured to provide a direct connection to the first network;

a second connection unit configured to provide a direct connection to the second network, such that when the name resolving unit in the first network must forward a request to a server in the second network, the request is sent directly from the name resolving unit in the first network to the second network; and

an address translation unit configured to perform address translation between the first network and the second network;

wherein the name resolving unit and the address translation unit are configured to co-operate in order to translate addresses upon performing name resolving.

2. (Previously Presented) The network name resolving element according to claim 1, wherein the network element is a domain name service server.

3. (Previously Presented) The network name resolving element according to claim 1, wherein the address translation unit is configured to select a particular network address translating element to be used for a connection between a first host in the first network and a second host in the second network, and

wherein the address translation unit is configured to add network address translating element information to the resolved address.

4. (Previously Presented) The network name resolving element according to claim 3, wherein the network address translating element information is an address prefix.

5. (Previously Presented) The network name resolving element according to claim 3, wherein the address translation unit is configured to select a network address translating element based on information regarding the load on the network address translating element.

6. (Previously Presented) The network name resolving element according to claim 1, wherein the first protocol is Internet Protocol version 6 , and the second protocol is Internet Protocol version 4.

7. (Previously Presented) The network name resolving element according to claim 1, wherein the name resolving unit of the network element is configured to send a name resolve request to a name resolving element located in the second network.

8. (Currently Amended) A system comprising:  
a network name resolving element ~~according to claim 5~~ and at least two network address translating elements,

the network name resolving element being for performing name resolving in a network system which includes a first network using a first network protocol and a second network using a second network protocol, the network element comprising

a name resolving unit configured to perform name resolving,

a first connection unit configured to provide a direct connection to the first network,

a second connection unit configured to provide a direct connection to the second network, such that when the name resolving unit in the first network must forward a request to a server in the second network, the request is sent directly from the name resolving unit in the first network to the second network, and

an address translation unit configured to perform address translation between the first network and the second network,

wherein the name resolving unit and the address translation unit are configured to co-operate in order to translate addresses upon performing name resolving,

wherein the address translation unit is configured to select a particular network address translating element to be used for a connection between a first host in the first network and a second host in the second network,

wherein the address translation unit is configured to add network address translating element information to the resolved address, and

wherein the address translation unit is configured to select a network address translating element based on information regarding the load on the network address translating element,

wherein the network address translating elements are configured to send load information to the network element.

9. (Previously Presented) The system according to claim 8, wherein the load information is sent using a Simple Network Management Protocol.

10. (Currently Amended) A method for resolving names in a network system which includes a first network using a first network protocol and a second network using a second network protocol, comprising

processing a name resolve request to obtain an address; and

performing address translation between the first and the second network,

wherein the name resolve request processing and the address translation are performed in a dedicated network name resolving element for performing name resolving

located in the first network and having direct connections to the first network and to the second network, such that when the name resolving unit in the first network must forward a request to a server in the second network, the request is sent directly from the name resolving unit in the first network to the second network.

11. (Previously Presented) The method according to claim 10, wherein the network element is a domain name service server.

12. (Previously Presented) The method according to claim 10, wherein the address translation comprises

selecting a particular address network translating element to be used for a connection between a first host (A) in the first network and a second host in the second network; and

adding network address translating element information indicating the selected network translating element to the translated address.

13. (Original) The method according to claim 12, wherein the network address translating element information is an address prefix.

14. (Previously Presented) The method according to claim 12, wherein in the selecting, different network address translating elements are selected based on information regarding the load on the network address translating elements.

15. (Previously Presented) The method according to claim 10, wherein the first network protocol is Internet Protocol version 6, and the second network protocol is Internet Protocol version 4.

16. (Original) The method according to claim 14, further comprising the step of:

sending load information from at least two network address translating elements to the network element.

17. (Previously Presented) The method according to claim 16, wherein the load information is sent using Simple Network Management Protocol.

18. (Previously Presented) The method according to claim 10, wherein the name resolve request processing comprises

forwarding a name resolve request from the first network directly to a network name resolving element in the second network; and

receiving an address from the name resolving element in the second network.

19. (Currently Amended) A network name resolving element for performing name resolving in a network system which includes a first network using a first network protocol and a second network using a second network protocol, the network name resolving element comprising:

means for performing name resolving,

means for providing a direct connection to the first network;

means for providing a direct connection to the second network, such that when the means for performing name resolving in the first network must forward a request to a server in the second network, the request is sent directly from the means for performing name resolving in the first network to the second network;; and

means for performing address translation between the first network and the second network;

wherein the means for performing name resolving and the means for performing address translation are configured to co-operate in order to translate addresses upon performing name resolving.